

Current Claim Status

1. (Previously Presented) A flexible or semi-flexible packaging material with an oxygen barrier between 10 and 100 cc/m²d atm as determined by ASTM 3985 and a water vapor barrier between 100 and 1000 g/m²d at 38°C and 90% relative humidity, as determined according to DIN 53122 issued July 1982, comprising
 - (a) a layer of paper having a weight between 20 and 400 g/m² with layers applied thereto consisting essentially of
 - (b) a layer of ethylene copolymer or grafted ethylene copolymer having a weight between 1 and 5 g/m² adjacent to and contacting layer (a), and
 - (c) a layer of nylon comprising between 5 and 100 weight % of amorphous nylon and 0 and 95 weight % semicrystalline polyamide 6 having a weight between 10 and 30 g/m² adjacent to layer (b).
2. (Original) The packaging material of claim 1 wherein the ethylene copolymer of layer (b) is ethylene vinyl acetate, ethylene-ethyl acrylate, ethylene-methyl acrylate or ethylene butyl acrylate.
3. (Original) The packaging material of claim 1 wherein the ethylene copolymer of layer (b) is an ethylene-acid copolymer or its corresponding ionomer.
4. (Original) The packaging material of claim 1 wherein the grafted ethylene copolymer of layer (b) is a maleic anhydride grafted ethylene copolymer.
5. (Original) The packaging material of any one of claims 1 to 4 wherein layer (b) further comprises up to 40 weight % of a copolyether ester, a copolyether amide or a polyurethane thermoplastic.
6. (Previously Presented) The packaging material of claim 5 which is produced by coextrusion coating layers (b) and (c) onto layer (a).
7. (Previously Presented) The packaging material of claim 5 which is produced by lamination of extruded or coextruded layers (b) and (c) onto layer (a).
8. (Previously Presented) A flexible or semi-flexible packaging material with an oxygen barrier between 10 and 100 cc/m²d atm as determined by ASTM 3985 and a water vapor barrier between 100 and 1000 g/m²d at 38°C and 90% relative humidity, as determined according to DIN 53122 issued July 1982, comprising

- (a) a layer of paper having a weight between 20 and 200 g/m² with layers applied thereto consisting essentially of
- (b) a layer of ethylene copolymer or grafted ethylene copolymer having a weight between 1 and 5 g/m² adjacent to and contacting layer (a), and
- (c) a layer of nylon comprising between 5 and 100 weight % of amorphous nylon and 0 and 95 weight % semicrystalline polyamide 6 having a weight between 10 and 30 g/m² adjacent to layer (b).